

MERCHANT, WULD, SMITH, EDELL, WELTER & SCHMIDT

United States Patent Application

INSTRUCTIONS

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert TITLE of invention

METHOD FOR DETECTION OF SPECIFIC TARGET CELLS IN SPECIALIZED OR MIXED
CELL POPULATION AND SOLUTIONS CONTAINING MIXED CELL POPULATIONS

Check a or b

The specification of which

a. ☐ is attached heretob. ☒ was filed on 14 March 1995

If "b" checked, complete

as application serial no. _____

and was amended on _____ (if applicable)

If PCT Application

(in the case of a PCT-filed application)

Insert Int. application
number & filing datedescribed and claimed in international no. PCT/NO93/00136 filed 10 September 1993and as amended on 14 April 1994 (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a). (Reprinted on back side).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

Prior applications
Check a or ba. ☐ no such applications have been filed.b. ☒ such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC 119			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
	PCT/NO92/00151	14-09-92	
ALL FOREIGN APPLICATIONS, IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			

If "b" checked, complete

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

John D. Gould, Reg. No. 18,223; Phillip H. Smith, Reg. No. 20,476; Robert T. Edell, Reg. No. 20,187; Paul A. Welter, Reg. No. 20,890; Cecil C. Schmidt, Reg. No. 20,566; John S. Sumners, Reg. No. 24,216; Alan G. Carlson, Reg. No. 25,959; Michael L. Schwegman, Reg. No. 25,816; Earl D. Reiland, Reg. No. 25,767; Charles E. Golla, Reg. No. 26,896; Douglas J. Williams, Reg. No. 27,054; Douglas A. Strawbridge, Reg. No. 28,376; Albert L. Underhill, Reg. No. 27,403; Norman P. Friederichs, Reg. No. 24,919; Michael B. Lasky, Reg. No. 29,555; Curtis B. Hamre, Reg. No. 29,165; Michael D. Schumann, Reg. No. 30,422; Michael L. Mau, Reg. No. 30,087; Mark J. DiPietro, Reg. No. 28,707; John A. Clifford, Reg. No. 30,247; Janet R. Westrom, Reg. No. 30,703; Steven W. Lundberg, Reg. No. 30,568; Warren D. Woessner, Reg. No. 30,440; Alan W. Kowalchuk, Reg. No. 31,535; Michael S. Sherrill, Reg. No. 32,302; Daniel W. McDonald, Reg. No. 32,044; Timothy R. Conrad, Reg. No. 30,164; R. Carl Moy, Reg. No. 30,725; Robert C. Freed, Reg. No. 32,569; Daniel J. Kluth, Reg. No. 32,146; Wendy M. McDonald, Reg. No. 32,427; Linda M. Byrne, Reg. No. 32,404; Mark D. Schuman, Reg. No. 31,197; Randall A. Hillson, Reg. No. 31,838; John P. Sumner, Reg. No. 29,114; Brian H. Batzli, Reg. No. 32,960; David K. Tellekson, Reg. No. 32,314; John J. Gresens, Reg. No. 33,112; Steven J. Keough, Reg. No. 33,190; John L. Knoble, Reg. No. 32,387; Albin J. Nelson, Reg. No. 28,650; Robert C. Beck, Reg. No. 28,124; Philip P. Caspers, Reg. No. 33,227; Gregory A. Sebald, Reg. No. 33,280; Jane H. Arrett, Reg. No. 33,355; and George H. Gates, Reg. No. 33,500.

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Merchant, Gould to the contrary.

Please direct all correspondence in this case to Merchant, Gould, Smith, Edell, Welter & Schmidt at the address indicated below (or if no address is specified, the first address):

☐ 3100 Norwest Center, Minneapolis, MN 55402
Telephone No. (612) 332-5300

☐ 1000 Norwest Center, St. Paul, MN 55101
Telephone No. (612) 298-1055

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Insert FULL name(s)
AND address(es) of
actual inventor(s)

201	FULL NAME OF INVENTOR	FAMILY NAME Fodstad	FIRST GIVEN NAME Øystein	SECOND GIVEN NAME -
	RESIDENCE & CITIZENSHIP	CITY Oslo	STATE OR FOREIGN COUNTRY Norway	COUNTRY OF CITIZENSHIP Norway
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Frits Kiers v. 28	CITY N-0383 Oslo	STATE & ZIP CODE/COUNTRY Norway
202	FULL NAME OF INVENTOR	FAMILY NAME Kvalheim	FIRST GIVEN NAME Gunnar	SECOND GIVEN NAME -
	RESIDENCE & CITIZENSHIP	CITY Oslo	STATE OR FOREIGN COUNTRY Norway	COUNTRY OF CITIZENSHIP Norway
	POST OFFICE ADDRESS	POST OFFICE ADDRESS Åsstubben 13	CITY N-0381 Oslo	STATE & ZIP CODE/COUNTRY Norway
203	FULL NAME OF INVENTOR	FAMILY NAME	FIRST GIVEN NAME	SECOND GIVEN NAME
	RESIDENCE & CITIZENSHIP	CITY	STATE OR FOREIGN COUNTRY	COUNTRY OF CITIZENSHIP
	POST OFFICE ADDRESS	POST OFFICE ADDRESS	CITY	STATE & ZIP CODE/COUNTRY
SIGNATURE OF INVENTOR 201 <i>[Signature]</i>		SIGNATURE OF INVENTOR 202 <i>[Signature]</i>		SIGNATURE OF INVENTOR 203
DATE March 8, 1995		DATE March 8, 1995		DATE

Each inventor must
sign & date

Note: No legalization or
other witness required

For Additional Inventors:

☐ Check box and attach sheet with same information, including date and signature.

United States Patent Application
COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and sole inventor (if only one name is listed below) or a joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: A METHOD FOR DETECTION OF SPECIFIC TARGET CELLS IN SPECIALIZED OR MIXED CELL POPULATION AND SOLUTIONS CONTAINING MIXED CELL POPULATIONS

The specification of which

a. is attached hereto

b. ☒ was filed on 14 MARCH 1995 as application serial no. and was amended on (if applicable) (in the case of a PCT-filed application) described and claimed in international no. PCT/NO93/00136 filed 10 SEPTEMBER 1993 and as amended on 6 December 1994 (if any), which I have reviewed and for which I solicit a United States patent.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56 (see page 3 attached hereto).

I hereby claim foreign priority benefits under Title 35, United States Code, § 119/365 of any foreign application(s) for patent of inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

a. no such applications have been filed.

b. ☒ such applications have been filed as follows:

FOREIGN APPLICATION(S), IF ANY, CLAIMING PRIORITY UNDER 35 USC § 119			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)
NO	PCT/NO92/00151	14 SEPTEMBER 1992	
ALL FOREIGN APPLICATION(S), IF ANY, FILED BEFORE THE PRIORITY APPLICATION(S)			
COUNTRY	APPLICATION NUMBER	DATE OF FILING (day, month, year)	DATE OF ISSUE (day, month, year)

I hereby claim the benefit under Title 35, United States Code, § 120/365 of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, § 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

U.S. APPLICATION NUMBER	DATE OF FILING (day, month, year)	STATUS (patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Adriano, Sarah B.	Reg. No. 34,470	Bilal, Mary Susan	Reg. No. 38,729	Pollins, Steven J.	Reg. No. 35,326
Batzli, Brian H.	Reg. No. 32,960	Gates, George H.	Reg. No. 33,500	Reich, John C.	Reg. No. 37,703
Beard, John L.	Reg. No. 27,612	Golla, Charles E.	Reg. No. 26,896	Reiland, Earl D.	Reg. No. 25,767
Beck, Robert C.	Reg. No. 28,184	Gorman, Alan G.	Reg. No. 38,472	Schmidt, Cecil C.	Reg. No. 20,566
Bejin, Thomas E.	Reg. No. 37,089	Gould, John D.	Reg. No. 18,223	Schuman, Mark D.	Reg. No. 31,197
Berman, Charles	Reg. No. 29,249	Gresens, John J.	Reg. No. 33,112	Schumann, Michael D.	Reg. No. 30,422
Bogucki, Raymond A.	Reg. No. 17,426	Hamre, Curtis B.	Reg. No. 29,165	Sebald, Gregory A.	Reg. No. 33,280
Bruess, Steven C.	Reg. No. 34,130	Hassing, Thomas A.	Reg. No. 36,159	Sharp, Janice A.	Reg. No. 34,051
Byrne, Linda M.	Reg. No. 32,404	Hillson, Randall A.	Reg. No. 31,838	Smith, Jerome R.	Reg. No. 35,684
Carlson, Alan G.	Reg. No. 25,959	Hollingsworth, Mark A.	Reg. No. 38,491	Sorensen, Andrew D.	Reg. No. 33,606
Carter, Charles G.	Reg. No. 35,093	Kastelic, Joseph M.	Reg. No. 37,160	Stinebruner, Scott A.	Reg. No. 38,323
Caspers, Philip P.	Reg. No. 33,227	Kowalchuk, Alan W.	Reg. No. 31,535	Strawbridge, Douglas A.	Reg. No. 28,376
Clifford, John A.	Reg. No. 30,247	Kowalchuk, Katherine M.	Reg. No. 36,848	Strodthoff, Kristine M.	Reg. No. 34,259
Conrad, Timothy R.	Reg. No. 30,164	Krull, Mark A.	Reg. No. 34,205	Sumner, John P.	Reg. No. 29,114
Crawford, Robert	Reg. No. 32,122	Lacy, Paul A.	Reg. No. P-38,946	Summers, John S.	Reg. No. 24,216
Daignault, Ronald A.	Reg. No. 25,968	Lasky, Michael B.	Reg. No. 29,555	Tellekson, David K.	Reg. No. 32,314
Daley, Dennis R.	Reg. No. 34,994	Lynch, David W.	Reg. No. 36,204	Underhill, Albert L.	Reg. No. 27,403
Daulton, Julie R.	Reg. No. 36,414	Mau, Michael L.	Reg. No. 30,087	Vandenburgh, J. Derek	Reg. No. 32,179
Dempster, Shawn B.	Reg. No. 34,321	McDonald, Daniel W.	Reg. No. 32,044	Vietzke, Lance L.	Reg. No. 36,708
DiPietro, Mark J.	Reg. No. 28,707	McDonald, Wendy M.	Reg. No. 32,427	Welter, Paul A.	Reg. No. 20,890
Edell, Robert T.	Reg. No. 20,187	Mueller, Douglas P.	Reg. No. 30,300	Williams, Douglas J.	Reg. No. 27,054
Farber, Michael B.	Reg. No. 32,612	Nelson, Albin J.	Reg. No. 28,650	Wood, Gregory B.	Reg. No. 28,133
Fauver, Cole M.	Reg. No. 36,797	Plunkett, Theodore	Reg. No. 37,209		

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Merchant, Gould to the contrary.

Please direct all correspondence in this case to Merchant, Gould, Smith, Edell, Welter & Schmidt at the address indicated below:

Merchant, Gould, Smith, Edell,
Welter & Schmidt
3100 Norwest Center
90 South Seventh Street
Minneapolis, MN 55402-4131

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

201	Full Name Of Inventor	Family Name FODSTAD	First Given Name OYSTEIN	Second Given Name
	Residence & Citizenship	City OSLO	State or Foreign Country NORWAY	Country of Citizenship NORWAY
	Post Office Address	Post Office Address FRITS KIERS V. 28	City N-0383 OSLO	State & Zip Code/Country NORWAY
202	Full Name Of Inventor	Family Name KVALHEIM	First Given Name GUNNAR	Second Given Name
	Residence & Citizenship	City OSLO	State or Foreign Country NORWAY	Country of Citizenship NORWAY
	Post Office Address	Post Office Address ASSTUBBEN 13	City N-0381 OSLO	State & Zip Code/Country NORWAY
203	Full Name Of Inventor	Family Name	First Given Name	Second Given Name
	Residence & Citizenship	City	State or Foreign Country	Country of Citizenship
	Post Office Address	Post Office Address	City	State & Zip Code/Country

Signature of Inventor 201	Signature of Inventor 202	Signature of Inventor 203
Date	Date	Date

For Additional Inventors:

— Indicate here and attach sheet with same information, including date and signature.

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is cancelled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is cancelled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- (2) the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

(b) Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- or
- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim;
 - (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
 - (2) Each attorney or agent who prepares or prosecutes the application; and
 - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

**VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY
STATUS (37 CFR 1.9(f) and 1.27(b)) - INDEPENDENT INVENTOR**

Insert title of
application (

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9(c) for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, to the Patent and Trademark Office with regard to the invention entitled A METHOD FOR DETECTION OF SPECIFIC TARGET CELLS IN SPECIALIZED OR MIXED CELL POPULATION described in

Check one,
fill in if b) (
or c)

- a) () the specification filed herewith.
b) (x) application serial no. _____ filed 14 March 1995.
c) () patent no. _____, issued _____.

I have not assigned, granted, conveyed or licensed and am under no obligation under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9(c) if that person has made the invention, or to any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e).

Each person, concern or organization to which I have assigned, granted, conveyed, or licensed or am under obligation under contract or law to assign, grant, convey, or license any rights in the invention is listed below:

Check one (

- a) (x) no such person, concern, or organization
b) () persons, concerns or organizations listed below

*NOTE: Separate verified statements are required from each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

If "b", insert
co-owners (

NAME _____
ADDRESS _____
a) () INDIVIDUAL b) () SMALL BUSINESS CONCERN c) () NONPROFIT ORGANIZATION

NAME _____
ADDRESS _____
a) () INDIVIDUAL b) () SMALL BUSINESS CONCERN c) () NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereof, or any patent to which this verified statement is directed.

Insert each
inventor (

<u>Oystein Fodstad</u>	<u>Gunnar Kvalheim</u>	_____
NAME OF INVENTOR	NAME OF INVENTOR	NAME OF INVENTOR

Sign (

<u>[Signature]</u>	<u>[Signature]</u>	_____
Signature of Inventor	Signature of Inventor	Signature of Inventor

Date (

<u>March 8, 1995</u>	<u>March 8, 1995</u>	_____
Date	Date	Date